



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HADLACZKY *et al.*  
Serial No. 09/836,911  
Filed: April 17, 2001  
Confirmation No.: 7763  
For: *ARTIFICIAL CHROMOSOMES, USES  
THEREOF AND METHODS FOR  
PREPARING ARTIFICIAL  
CHROMOSOMES*  
Art Unit: 1642  
Examiner: Unassigned

I hereby certify that this paper and the attached  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

06/18/03  
Date

*Jayashree Aiyar Gerken*  
Jayashree Aiyar Gerken

ATTACHMENTS TO THE RESPONSE

The following supporting references are attached:

International PCT application No. WO 02/067665;  
U.S. Patent No. 6,147,276;  
International PCT application No. wo 95/17500;  
Solter (1995) *Nature* 380:24-25;  
Campbell *et al.* (1996) *Nature* 380:64-66;  
Sims *et al.* (1993) *Proc. Natl. Acad. Sci. U.S.A.* 90:6143-6147;  
Tanaka *et al.* (1997) *Animal Reproduction Science* 49:113-123  
Schnieke *et al.* (1997) *Science* 278:2130-2133; and  
Sgaramella *et al.* (1998) *Science* 279:635-666.

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JUN 25 2003

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Attorney Docket No. 24601-402I  
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*Jayshree Aiyar Gerken*  
Jayshree Aiyar Gerken

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith are a Response, with attachments, responsive to the Office Action mailed December 18, 2002, a check for the requisite fee for a three month extension of time (\$465), and a return postcard for filing in connection with the above captioned application. If a Petition for extension of time is needed, this paper is to be considered such Petition.

Extension fee for response within the third month:

(X) By a small entity ..... \$465.00

- ☒ The Commissioner is hereby authorized to charge any fee, including any submitted herewith that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

\* \* \*

Respectfully submitted,  
HELLER, EHRMAN, WHITE & McAULIFFE LLP

By:

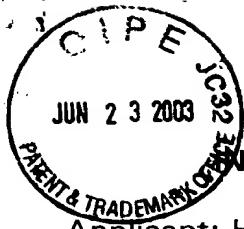
*Stephanie L. Seidman*  
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Applicant: HADLACZKY *et al.*

Serial No.: 09/836,911

Confirmation No: 7763

Filed: April 17, 2001

For: *ARTIFICIAL CHROMOSOMES, USES  
THEREOF AND METHODS FOR  
PREPARING ARTIFICIAL  
CHROMOSOMES*

Group Art Unit: 1632

Examiner: Shukla, R.

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06/18/03  
Date

*Jayshree Aiyar Gerken*  
Jayshree Aiyar Gerken

**RESPONSE**

Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Responsive to the Office Action mailed December 18, 2002,  
consideration of the following remarks are respectfully requested:

**REMARKS**

A check for the fee for a three month extension of time accompanies this response. Any fees that may be due in connection with filing this paper or with this application during its entire pendency may be charged to Deposit Account No. 50-1213. If a Petition for extension of time is required, this paper is to be considered such Petition, and any fee charged to Deposit Account No. 50-1213. A Supplemental Information Disclosure Statement is being filed on the same day herewith under separate cover.

Claims 23-60 are pending in the instant application.

**THE REJECTION OF CLAIMS 23-60 UNDER 35 U.S.C. § 112, FIRST  
PARAGRAPH**

**Claims 23-60** are rejected under 35 U.S.C. § 112, first paragraph because it is alleged that the specification does not reasonably provide enablement for producing transgenic animals by introducing a artificial chromosome or satellite artificial chromosome in any nuclear donor cell and transferring the nucleus of

#18  
7-8-03

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